



PSI licensure:certification  
 3210 E Tropicana  
 Las Vegas, NV 89121  
 www.psiexams.com



**STATE OF UTAH**  
**DIVISION OF OCCUPATIONAL AND PROFESSIONAL LICENSING**  
**PLUMBER EXAMINATIONS**  
**CANDIDATE INFORMATION BULLETIN**

**EFFECTIVE JUNE 10, 2010**

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Please refer to our website to check for the most updated information at [www.psiexams.com](http://www.psiexams.com)

## EXAMINATIONS BY PSI

This Candidate Information Bulletin provides you with information about the examination process for Plumber Licensure in the State of Utah.

The Division has contracted with PSI licensure:certification (PSI) to conduct its examination program. PSI provides examinations through a network of computer examination centers in Utah and in many areas throughout the United States. PSI works closely with the State to be certain that examinations meet local as well as national requirements in basic principles and examination development standards.

Following are licensing examinations offered by PSI licensure:certification.

- Journeyman Plumber
- Residential Journeyman Plumber
- Master Plumber
- Residential Master Plumber

All have Theory and practical examinations. Both examinations must be passed in order to become licensed.

## GUIDELINES FOR LICENSE APPLICATION/QUALIFICATION

### HOW TO OBTAIN A LICENSE

1. Submit a license application and license fee to DOPL:

Division of Occupational and Professional Licensing  
P.O. Box 146741  
Salt Lake City, Utah 84114-6741  
(801) 530-6628

Applications for licensure are available on the Internet at [www.dopl.utah.gov](http://www.dopl.utah.gov).

2. Once the Division has approved you for testing, your testing eligibility will automatically be submitted to PSI, and you will receive an approval letter from the Division with instructions for registering and scheduling the examination.

All questions and requests for information about examinations should be directed to PSI.

PSI licensure:certification  
3210 E Tropicana  
Las Vegas, NV 89121  
(800) 733-9267 • Fax (702) 932-2666  
[www.psiexams.com](http://www.psiexams.com)

## EXAMINATION REGISTRATION AND SCHEDULING PROCEDURES

Once you have been approved by the Division you will be sent a confirmation postcard from PSI. Upon receipt of your confirmation postcard, you will be responsible for contacting PSI to schedule an appointment to take the examination and make examination payment arrangements. PSI will make every effort to schedule the examination site and time that is most convenient for you.

- You are allowed 3 attempts, within a 6 month period, to pass each examination. If you do not pass within 6 months, you must re-apply with the state.
- You must wait 25 days before retaking the examination you did not pass.

The following fee table lists the applicable fee for each examination. The fee is for each examination, whether you are taking the examination for the first time or repeating.

THEORY EXAMINATION FEE	\$ 72
PRACTICAL EXAMINATION FEE	\$100

NOTE: REGISTRATION FEES ARE NOT REFUNDABLE OR TRANSFERABLE. FEES ARE VALID FOR 6 MONTHS.

### INTERNET REGISTRATION

For the fastest and most convenient test scheduling process, PSI recommends that candidates register for their examinations using the Internet. To register over the Internet, candidates will need to have a valid MasterCard or Visa. Candidates register online by accessing PSI's registration website at [www.psiexams.com](http://www.psiexams.com). Internet registration is available 24 hours a day. To register by Internet, complete the steps below:

1. Complete the registration form online and send it to PSI via the Internet.
2. Upon completion of the online registration form, you will be given the available examination dates and locations for scheduling your examination. Select your desired testing date.

### FAX REGISTRATION

For fax registration, you will need a valid VISA or MasterCard.

Complete the Examination Registration Form, including your credit card number and expiration date.

1. Fax the completed form to PSI (702) 932-2666. Fax registrations are accepted 24 hours a day.
2. Please allow 4 business days to process your registration. After 4 business days, you may call PSI to schedule the examination at (800) 733-9267.



## STANDARD MAIL REGISTRATION

1. Complete the Examination Registration Form found in this Candidate Information Bulletin. **BE SURE TO READ ALL DIRECTIONS CAREFULLY BEFORE COMPLETING THE EXAMINATION REGISTRATION FORM. IMPROPERLY COMPLETED FORMS WILL BE RETURNED TO YOU UNPROCESSED.**

Return the completed original form to PSI with the appropriate examination fee. Payment of fees can be made by VISA, MasterCard, money order, or cashier's check. Money orders or cashier's checks must be made payable to PSI. Print your social security number on your check or money order to ensure that your fees are properly assigned. **CASH, COMPANY CHECKS, AND PERSONAL CHECKS ARE NOT ACCEPTED.**

2. Please allow 2 weeks to process your Registration before scheduling for your examination.

## TELEPHONE REGISTRATION

For telephone registration, you will need a valid VISA or MasterCard.

Complete the Examination Registration Form, including your credit card number and expiration date, so that you will be prepared with all of the information needed to register by telephone.

1. Call (800) 733-9267, 24 hours a day and register using the Automated Registration System. Otherwise, PSI registrars are available Monday through Friday between 3:30 am and 6:00 pm and Saturday, between 7:00 am and 1:00 pm, Mountain Time, to receive the information listed on your Examination Registration Form and schedule your appointment for the examination.

PSI will make every effort to schedule the examination site and time that is most convenient for you. If space is available in the examination site of your choice, you may schedule an examination 1 day prior to the examination date of your choice, up to 3:00pm MT. Please be prepared to offer alternate examination appointment choices.

## CANCELING AN EXAMINATION APPOINTMENT

You may cancel and reschedule an examination appointment without forfeiting your fee if your *cancellation notice is received 2 days before the scheduled examination date*. For example, for a Monday appointment, the cancellation notice would need to be received on the previous Saturday. You may call PSI at (800) 733-9267. Please note that you may also use the automated system, using a touch-tone phone, 24 hours a day in order to cancel and reschedule your appointment.

**Note:** A voice mail message is not an acceptable form of cancellation. Please use the internet, automated telephone system, or call PSI and speak to a Customer Service Representative.

## MISSED APPOINTMENT OR LATE CANCELLATION

Your registration will be invalid, you will not be able to take the examination as scheduled, and you will forfeit your examination fee, if you:

- Do not cancel your appointment 2 days before the schedule examination date;
- Do not appear for your examination appointment;
- Arrive after examination start time;
- Do not present proper identification when you arrive for the examination.

## SPECIAL EXAMINATION ARRANGEMENTS

All examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990, and every reasonable accommodation will be made in meeting a candidate's needs. Applicants with disabilities or those who would otherwise have difficulty taking the examination must fill out the form at the end of this Candidate Information Bulletin and fax to PSI (702) 932-2666. This form also includes out-of-state testing requests.

## EXAMINATION SITE CLOSING FOR AN EMERGENCY

In the event that severe weather or another emergency forces the closure of an examination site on a scheduled examination date, your examination will be rescheduled. PSI personnel will attempt to contact you in this situation. However, you may check the status of your examination schedule by calling (800) 733-9267. Every effort will be made to reschedule your examination at a convenient time as soon as possible. You may also check our website at [www.psiexams.com](http://www.psiexams.com).

## SOCIAL SECURITY NUMBER CONFIDENTIALITY

PSI will use your social security number only as an identification number in maintaining your records and reporting your examination scores to the state. A Federal law requires state agencies to collect and record the social security numbers of all licensees of the professions licensed by the state.

## EXAMINATION SITE LOCATION

The following test centers are located in Utah.

Note: The following directions are generated from the most current mapping services available. However, new road construction and highway modifications may result in some discrepancies. If you are not familiar with the specific area of the testing site, please consult a reliable map prior to your test date.

### **Hurricane (St. George) (Written Only)**

473 N. Old Highway 91, Suite 6  
Hurricane, UT 84737

*From I-15N, take the UT-9 exit 16 toward Hurricane/Zion Natl. Park. Merge onto UT-9/W State St toward Hurricane. Turn left onto N 6300 W/UT-212. 473 Old Hwy 91 in Hurricane approximately 1.5 miles past the Wal-Mart Distribution Center on the left hand side behind Quality Wood Products.*



### North Orem (Provo) (Written Only)

581 West 1600 North, Suite C

North Orem, UT 84057

From US-89, turn right onto W Center St/UT-114. Merge onto I-15 N via the ramp on the left toward Salt Lake. Take the 1600 North exit 273. Turn east onto West 1600 North. Go one mile east. PSI is located in the World Financial Group building on the right hand side.

### North Salt Lake City (Written Only)

25 North 400 West, Suite 7

North Salt Lake City, UT 84054

North Salt Lake City, UT 84054

(The city of North Salt Lake not Salt Lake City proper. The PSI test site is in Davis County just north of the Flying J Refinery.)

From Salt Lake City and the South (Temporary for I-15 Construction due to complete in Fall of 2010). Merge on to I-15N. Take the 600 N (309) exit. Turn right and go to 300 W (US89). Turn left on 300 W (US89). Go North about 4.5 miles and turn left onto E Center St. Turn right on to 400 W.

From the North

Merge onto I-15 S Salt Lake. Take the Center St., exit 314.

Turn right onto W Center St. Turn right onto 400 W.

From I-80 East merge to I-215 North. Take the Redwood Rd/UT-68 exit 28 and turn right onto Center Street.

PSI is on the Northwest corner of 400West and Center Street.

### Salt Lake Community College (Practical Only)

Construction Trades Building

4600 S Redwood Rd

Salt Lake City, UT 84130

From I-15 take the 4500 South/UT-266 exit #304. Go west on 4500 S. Turn north on Redwood Road.

### Sunset (Ogden) (Written Only)

2465 N Main Street #11C

Sunset, UT 84015

From I-15 S, take the UT-97 exit-338- toward Clinton/Roy/Sunset. Turn right onto W 5600 S/UT-97. Turn left onto S 1900 W/UT-126. Continue to follow UT-126.

Additionally, PSI has examination centers in many other regions across the United States. You may take this examination at any of these locations by calling (800) 733-9267. You will need to speak with a Customer Service Rep to schedule a code or theory test outside of Utah. The practical examination is only offered at the SLC Community College and PSI Saint George locations.

## REPORTING TO THE EXAMINATION SITE

On the day of the examination, you should arrive at least 30 minutes before your appointment. This extra time is for sign-in, and identification. *If you arrive late, you may not be admitted to the examination site and you will forfeit your examination registration fee.*

## REQUIRED IDENTIFICATION AT EXAMINATION SITE

You must provide 2 forms of identification. One must be a VALID form of government issued identification (driver's license, state ID, passport, military ID), which bears your signature and has your photograph. The second ID must have your signature and preprinted legal name.

If you cannot provide the required identification, you must call (800) 733-9267 at least 3 weeks prior to your scheduled appointment to arrange a way to meet this security requirement. *Failure to provide all of the required identification at the time of the examination without notifying PSI is considered a missed appointment, and you will not be able to take the examination.*

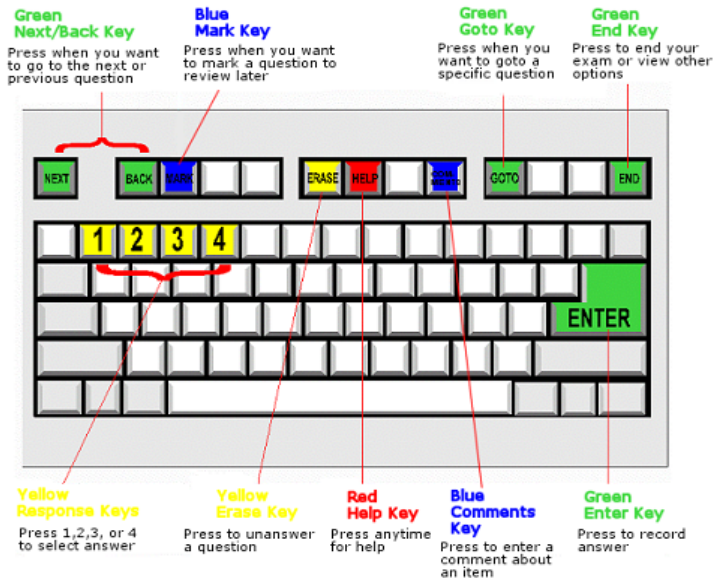
## SECURITY PROCEDURES

The following security procedures will apply during the examination:

- Cell phones, pagers, and children are not allowed in the examination site.
- Only non-programmable calculators that are silent, battery-operated, do not have paper tape printing capabilities, and do not have a keyboard containing the alphabet will be allowed in the examination site.
- No smoking, eating, or drinking will be allowed in the examination site.
- Copying or communicating examination content is a violation of PSI security policy. Either one may result in the disqualification of examination results and may lead to legal action.

## TAKING THE THEORY EXAMINATION BY COMPUTER

Taking the PSI examination by computer is simple. You do not need any computer experience or typing skills. You will use fewer keys than you use on a touch-tone telephone. All response keys are colored and have prominent characters. An illustration of the special keyboard is shown here. You may also use a mouse.



## IDENTIFICATION SCREEN

You will be directed to a semiprivate testing station to take the examination. When you are seated at the testing station, you will be prompted to confirm your name, identification number, and the examination for which you are registered.

## TUTORIAL

Before you start your examination, an introductory tutorial to the computer and keyboard is provided on the computer screen. The time you spend on this tutorial, up to 15 minutes, DOES NOT count as part of your examination time. Sample questions are included following the tutorial so that you may practice using the keys, answering questions, and reviewing your answers.

One question appears on the screen at a time. During the examination, minutes remaining will be displayed at the top of the screen and updated as you record your answers.

## EXAMINATION QUESTION EXAMPLE

During the examination, you should press 1, 2, 3, or 4 to select your answer or press "MARK" to mark it for later review. You should then press "ENTER" to record your answer and move on to the next question. A sample question display follows:

Question: 3 of 40   Answered: 2   Unanswered: 1   Marked: 0   View: All   Time Left(Min): 359

3. What do the stars on the United States of America's flag represent?

(Choose from the following options)

1. Presidents

2. Colonies

3. States

4. Wars

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**IMPORTANT:** After you have entered your responses, you will later be able to return to any question(s) and change your response, provided the examination time has not run out.

## PRETEST ITEMS

In addition to the number of questions per examination, a small number of five to ten "pretest" questions may be administered to candidates during the examinations. These questions will not be scored and the time taken to answer them will not count against examination time. The administration of such non-scored experimental questions is an essential step in developing future licensing examinations.

## EXAMINATION REVIEW

PSI, in cooperation with the Utah Division of Occupational and Professional Licensing, will be consistently evaluating the examinations being administered to ensure that the examinations accurately measure competency in the required knowledge areas. While taking the examination, examinees will have the opportunity to provide comments on any

questions, by using the comments key on the keyboard. These comments will be analyzed by PSI examination development staff. PSI does not respond to individuals regarding these comments, all substantive comments are reviewed. Failing candidates will have the option of reviewing their practical examination only. The fee for an Examination Review is the same as the fee for the exam (\$100). Requests for an Examination Review must be made by the deadline to schedule a review date which is listed on the registration form. Candidates will meet one on one with an examination rater, they will be given the opportunity to ask questions and review their exam project from the previous exam. Standard examination security practices will be followed. You may not take any notes out of the review session.

## **SCORE REPORTING**

### THEORY EXAMINATION

In order to pass the examinations, you must receive a score of at least 70%.

You will receive your score report immediately following the completion of the examination.

### PRACTICAL EXAMINATION

Your practical examination score will be mailed within 15 days after the examination date. The minimum passing score is 70%. All scores are mailed simultaneously. To ensure confidentiality, examination scores will not be given over the phone. Examination scores will **not** be given over the phone.

You may review your failed examination by request only. A session would be setup with the candidate and the rater to review the missed items.

### DUPLICATE SCORE REPORTS

You can write to PSI to request a duplicate of your score report.

## **TIPS FOR PREPARING FOR YOUR LICENSE EXAMINATION**

The following suggestions will help you prepare for your examination.

- Planned preparation increases your likelihood of passing.
- Start with a current copy of this Candidate Information Bulletin and use the examination content outline as the basis of your study.
- Read study materials that cover all the topics in the content outline.
- Take notes on what you study. Putting information in writing helps you commit it to memory and it is also an excellent business practice. Discuss new terms or concepts as frequently as you can with colleagues. This will test your understanding and reinforce ideas.
- Your studies will be most effective if you study frequently, for periods of about 45 to 60 minutes. Concentration tends to wander when you study for longer periods of time.



Many of the reference materials listed are available for purchase at [www.psonlinestore.com](http://www.psonlinestore.com) or by calling the PSI Online Store, toll-free, at (866) 589-3088.

Titles currently in stock are listed on the order form near the end of this candidate information bulletin.

## EXAMINATION REFERENCE MATERIAL AND CONTENT OUTLINE

Following are content outlines describing the content areas covered on each examination and the percentage of questions in each area.

The theory and practical examinations both must be passed in order to become licensed.

### JOURNEYMAN PLUMBER THEORY EXAMINATION

#### SCOPE OF WORK

“Journeyman Plumber” means a person licensed under this chapter as a journeyman plumber having the qualifications, training, experience, and technical knowledge to engage in the plumbing trade.

“Plumbing trade” means the performance of any mechanical work pertaining to the installation, alteration, change, repair, removal, maintenance, or use in building or within three feet beyond the outside walls of buildings of pipes, fixtures and fittings for delivery of the water supply, discharge of liquid and water carried waste or the building drainage system within the walls of the building. It includes that work pertaining to the water supply, distribution pipes, fixtures, and fixture traps, the soil, waste and vent pipes, and the building drain and roof drains together with their devices, appurtenances, and connections where installed within the outside walls of the building.

# of Questions	Minimum Passing Score	Time Allowed
120	84 (70%)	4 Hours

#### CONTENT OUTLINE

Subject Area	# of Items
Drainage Waste and Vents	15
Indirect Waste	5
Water Supply Systems	11
Backflow Prevention	4
Roof Drains and Storm Drainage Systems	6
Plumbing Fixtures (including water heaters and accessibility)	6
General Knowledge and General Regulations	32
Specialty Plumbing, Interceptors, and Traps	5
Isometric Analysis	10
Fuel Gas	11
Septic and Sewer	5
Hydronics	6
Fire Sprinkler Systems	4

### REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

*The following reference material is allowed in the examination center:*

- *International Fuel Gas Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Fuel Gas Code*, 2006
- *International Mechanical Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Mechanical Code*, 2006.
- *International Plumbing Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Plumbing Code*, 2006.
- *Utah Water Quality, Title R317-4, Onsite Wastewater Systems*, 2006 Edition, Utah Department of Environmental Quality, Division of Water Quality, P.O. Box 144870, Salt Lake City, UT 84114-4870, [waterquality.utah.gov](http://waterquality.utah.gov).
- *NFPA 13 - Installation of Sprinkler Systems*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
- *NFPA 13D - Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
- *NFPA 13R - Sprinkler Systems for Residential Occupancies up to and Including Four Stories in Height*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).

*The following reference material is NOT allowed in the examination center:*

- *Mathematics for Plumbers and Pipefitters*, 7th Edition, 2008, Thomson Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).
- *IPT's Pipe Trades Handbook*, 1991, Robert A. Lee, IPT Publishing & Training, Ltd., ISBN - 0920855180, <http://www.pipefitter.com/IPT.html>
- *Boiler Operator's Guide*, 4th edition, 1997, Kohan, Anthony, McGraw-Hill, (800) 262-4729, [www.books.mcgraw-hill.com](http://www.books.mcgraw-hill.com), ISBN 0070365741

Reference material may be highlighted, underlined, and/or indexed. They must be otherwise unmarked (not written in) and may not contain additional papers (loose or attached). THESE REFERENCES WILL NOT BE AVAILABLE IN THE EXAMINATION CENTER. References may be tabbed/indexed with permanent tabs only. Temporary tabs, such as Post-It notes, are not allowed and must be removed from the reference before the exam will begin. If you are downloading



from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.

## RESIDENTIAL JOURNEYMAN PLUMBER THEORY EXAMINATION

### SCOPE OF WORK

“Residential Journeyman Plumber” means a person licensed under this chapter as a residential journeyman plumber having the qualifications, training, and technical knowledge to engage in the plumbing trade as limited to the plumbing of residential buildings.

“Plumbing trade” means the performance of any mechanical work pertaining to the installation, alteration, change, repair, removal, maintenance, or use in building or within three feet beyond the outside walls of buildings of pipes, fixtures and fittings for delivery of the water supply, discharge of liquid and water carried waste or the building drainage system within the walls of the building. It includes that work pertaining to the water supply, distribution pipes, fixtures, and fixture traps, the soil, waste and vent pipes, and the building drain and roof drains together with their devices, appurtenances, and connections where installed within the outside walls of the building.

# of Questions	Minimum Passing Score	Time Allowed
120	84 (70%)	4 Hours

### CONTENT OUTLINE

Subject Area	# of Items
Drainage Waste and Vents	20
Water Supply Systems	11
Backflow Prevention	4
Roof Drains and Storm Drainage Systems	6
Plumbing Fixtures (including water heaters and accessibility)	6
General Knowledge and General Regulations	32
Specialty Plumbing, Interceptors, and Traps	5
Isometric Analysis	10
Fuel Gas	11
Septic and Sewer	5
Hydronics	4
Fire Sprinkler Systems	6

### REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

*The following reference material is allowed in the examination center:*

- *International Fuel Gas Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Fuel Gas Code*, 2006
- *International Mechanical Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Mechanical Code*, 2006.
- *International Plumbing Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- *Utah Amendments to the International Plumbing Code*, 2006.
- *Utah Water Quality, Title R317-4, Onsite Wastewater Systems*, 2006 Edition, Utah Department of Environmental Quality, Division of Water Quality, P.O. Box 144870, Salt Lake City, UT 84114-4870, [waterquality.utah.gov](http://waterquality.utah.gov).
- *NFPA 13 - Installation of Sprinkler Systems*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
- *NFPA 13D - Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).
- *NFPA 13R - Sprinkler Systems for Residential Occupancies up to and Including Four Stories in Height*, 2002 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, [www.nfpa.org](http://www.nfpa.org).

*The following reference material is NOT allowed in the examination center:*

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- *IPT's Pipe Trades Handbook*, 1991, Robert A. Lee, IPT Publishing & Training, Ltd., ISBN - 0920855180, <http://www.pipefitter.com/IPT.html>
- *Boiler Operator's Guide*, 4th edition, 1997, Kohan, Anthony, McGraw-Hill, (800) 262-4729, [www.books.mcgraw-hill.com](http://www.books.mcgraw-hill.com), ISBN 0070365741

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## MASTER PLUMBER THEORY EXAMINATION

### SCOPE OF WORK

“Master Plumber” means a person licensed under this chapter as a master plumber having the qualifications, training, experience, and technical knowledge to engage in the plumbing trade.



“Plumbing trade” means the performance of any mechanical work pertaining to the installation, alteration, change, repair, removal, maintenance, or use in building or within three feet beyond the outside walls of buildings of pipes, fixtures and fittings for delivery of the water supply, discharge of liquid and water carried waste or the building drainage system within the walls of the building. It includes that work pertaining to the water supply, distribution pipes, fixtures, and fixture traps, the soil, waste and vent pipes, and the building drain and roof drains together with their devices, appurtenances, and connections where installed within the outside walls of the building.

# of Questions	Minimum Passing Score	Time Allowed
120	84 (70%)	4 Hours

### CONTENT OUTLINE

Subject Area	# of Items
A. Business Management 1. Accounting/Financial Principles 2. Cost/Price Management 3. Contracts and Bidding 4. Marketing 5. Human Resource Management 6. Government Regulations	50
B. Project Supervision 1. Supervising Employees 2. Supervising Projects 3. Worksite Safety 4. Blue Stakes	25
C. Trade Knowledge 1. Drainage Waste and Vents 2. Water Supply Systems 3. Backflow Prevention 4. Roof Drains and Storm Drainage Systems 5. Plumbing Fixtures including water heaters and accessibility 6. General Knowledge and General Regulations 7. Specialty Plumbing, Interceptors and Traps 8. Isometric Analysis 9. Fuel Gas 10. Septic and Sewer 11. Hydronics	45

### REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

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- Utah Amendments to the International Fuel Gas Code, 2006
- *International Mechanical Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- Utah Amendments to the International Mechanical Code, 2006.
- *International Plumbing Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- Utah Amendments to the International Plumbing Code, 2006.
- *Utah Water Quality, Title R317-4, Onsite Wastewater Systems*, 2006 Edition, Utah Department of Environmental Quality, Division of Water Quality, P.O. Box 144870, Salt Lake City, UT 84114-4870, [waterquality.utah.gov](http://waterquality.utah.gov).
- *Code of Federal Regulations - 29 CFR Part 1926 (OSHA)*, 2008, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954, 888-293-6498, <http://www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1> OR Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, 2008, 3210 E Tropicana, Las Vegas, NV 89121, (800) 733-9267, [www.psiexams.com](http://www.psiexams.com), (See order form at the end of the Candidate Information Bulletin.)

*The following reference material is NOT allowed in the examination center:*

- *Mathematics for Plumbers and Pipefitters*, 7th Edition, 2008, Thomson Delmar Learning, P.O. Box 6904, Florence, KY 41022, [www.delmarlearning.com](http://www.delmarlearning.com).
- *IPT's Pipe Trades Handbook*, 1991, Robert A. Lee, IPT Publishing & Training, Ltd., ISBN - 0920855180, <http://www.pipefitter.com/IPT.html>
- *Management of Construction Projects: A Constructor's Perspective*, John. E. Schaufelberger, Len Holm, 2002, 1st Edition, Prentice-Hall PTR, (800) 382-3419, [www.prenhall.com](http://www.prenhall.com), ISBN 0130846783
- *Construction Jobsite Management*, William R. Mincks, Hal Johnston, 2003, 2nd Edition, Delmar/Thomson Learning, (800) 347-7707, [www.delmarlearning.com](http://www.delmarlearning.com), ISBN 140180912X
- *NASCLA Contractors Guide to Business, Law, and Project Management*, Utah 1<sup>st</sup> Edition, National Association of State Contractors Licensing Agencies (NASCLA), (623) 587-9519, Fax (623) 587-9625.
- *Excavator's Guide*, 2006, Utah Blue Stakes Center, 205 West 700 South, Suite 101, Salt Lake City, Utah 84101. [www.bluestakes.org](http://www.bluestakes.org)

Reference material may be highlighted, underlined, and/or indexed. They must be otherwise unmarked (not written in) and may not contain additional papers (loose or attached). THESE REFERENCES WILL NOT BE AVAILABLE IN THE EXAMINATION CENTER. References may be tabbed/indexed with permanent tabs only. Temporary tabs, such as Post-It notes, are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.



# RESIDENTIAL MASTER PLUMBER THEORY EXAMINATION

## SCOPE OF WORK

“Residential Master Plumber” means a person licensed under this chapter as a residential journeyman plumber having the qualifications, training, and technical knowledge to engage in the plumbing trade as limited to the plumbing of residential buildings.

“Plumbing trade” means the performance of any mechanical work pertaining to the installation, alteration, change, repair, removal, maintenance, or use in building or within three feet beyond the outside walls of buildings of pipes, fixtures and fittings for delivery of the water supply, discharge of liquid and water carried waste or the building drainage system within the walls of the building. It includes that work pertaining to the water supply, distribution pipes, fixtures, and fixture traps, the soil, waste and vent pipes, and the building drain and roof drains together with their devices, appurtenances, and connections where installed within the outside walls of the building.

# of Questions	Minimum Passing Score	Time Allowed
120	84 (70%)	4 Hours

## CONTENT OUTLINE

Subject Area	# of Items
A. Business Management 1. Accounting/Financial Principles 2. Cost/Price Management 3. Contracts and Bidding 4. Marketing 5. Human Resource Management 6. Government Regulations	50
B. Project Supervision 1. Supervising Employees 2. Supervising Projects 3. Worksite Safety 4. Blue Stakes	25
C. Trade Knowledge 1. Drainage Waste and Vents 2. Water Supply Systems 3. Backflow Prevention 4. Roof Drains and Storm Drainage Systems 5. Plumbing Fixtures including water heaters and accessibility 6. General Knowledge and General Regulations 7. Specialty Plumbing, Interceptors and Traps 8. Isometric Analysis 9. Fuel Gas 10. Septic and Sewer 11. Hydronics	45

## REFERENCE LIST

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general

industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

*The following reference material is allowed in the examination center:*

- *International Fuel Gas Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- Utah Amendments to the International Fuel Gas Code, 2006
- *International Mechanical Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- Utah Amendments to the International Mechanical Code, 2006.
- *International Plumbing Code*, 2006 Edition, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
- Utah Amendments to the International Plumbing Code, 2006.
- *Utah Water Quality, Title R317-4, Onsite Wastewater Systems*, 2006 Edition, Utah Department of Environmental Quality, Division of Water Quality, P.O. Box 144870, Salt Lake City, UT 84114-4870, [waterquality.utah.gov](http://waterquality.utah.gov).
- *Code of Federal Regulations - 29 CFR Part 1926 (OSHA)*, 2008, Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954, 888-293-6498, <http://www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1> OR Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, 2008, 3210 E Tropicana, Las Vegas, NV 89121, (800) 733-9267, [www.psiexams.com](http://www.psiexams.com), (See order form at the end of the Candidate Information Bulletin.)

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- *IPT's Pipe Trades Handbook*, 1991, Robert A. Lee, IPT Publishing & Training, Ltd., ISBN - 0920855180, <http://www.pipefitter.com/IPT.html>
- *Management of Construction Projects: A Constructor's Perspective*, John. E. Schaufelberger, Len Holm, 2002, 1st Edition, Prentice-Hall PTR, (800) 382-3419, [www.prenhall.com](http://www.prenhall.com), ISBN 0130846783
- *Construction Jobsite Management*, William R. Mincks, Hal Johnston, 2003, 2nd Edition, Delmar/Thomson Learning, (800) 347-7707, [www.delmarlearning.com](http://www.delmarlearning.com), ISBN 140180912X
- *NASCLA Contractors Guide to Business, Law, and Project Management*, Utah 1<sup>st</sup> Edition, National Association of State Contractors Licensing Agencies (NASCLA), (623) 587-9519, Fax (623) 587-9625.
- *Excavator's Guide*, 2006, Utah Blue Stakes Center, 205 West 700 South, Suite 101, Salt Lake City, Utah 84101. [www.bluestakes.org](http://www.bluestakes.org)

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EXAMINATION CENTER. References may be tabbed/indexed with permanent tabs only. Temporary tabs, such as Post-It notes, are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.

## JOURNEYMAN PLUMBER PRACTICAL EXAMINATION

# of Projects	Minimum Passing Score	Time Allowed
3	70%	3.5 Hours

The Journeyman Plumber practical examination consists of three parts: a copper brazing project; a plastic (PVC Schedule 40) assembly project; and a copper assembly project.

Maximum scores on each part are as follows:

Copper Brazing	34 points
Plastic Assembly	33 points
Copper Assembly	33 points

## RESIDENTIAL JOURNEYMAN PLUMBER PRACTICAL EXAMINATION

# of Projects	Minimum Passing Score	Time Allowed
2	70%	2.5 Hours

The Residential Journeyman Plumber practical consists of a copper solder project and a plastic (PVC Schedule 40) assembly project.

Maximum scores on each part are as follows:

Plastic Assembly	33 points
Copper Assembly	33 points

## MASTER PLUMBER PRACTICAL EXAMINATION

# of Projects	Minimum Passing Score	Time Allowed
3	70%	3.5 Hours

The Master Plumber practical examination consists of three parts: a copper brazing project; a plastic (PVC Schedule 40) assembly project; and a copper assembly project.

Maximum scores on each part are as follows:

Copper Brazing	34 points
Plastic Assembly	33 points
Copper Assembly	33 points

Note: If you have previously obtained a passing score on the Utah Journeyman Plumber practical examination then you do

not have to take the Master Plumber practical examination in order to obtain your Master Plumber license.

## RESIDENTIAL MASTER PLUMBER PRACTICAL EXAMINATION

# of Projects	Minimum Passing Score	Time Allowed
2	70%	2.5 Hours

The Residential Master Plumber practical consists of a copper solder project and a plastic (PVC Schedule 40) assembly project.

Maximum scores on each part are as follows:

Plastic Assembly	33 points
Copper Assembly	33 points

Note: If you have previously obtained a passing score on the Utah Residential Journeyman Plumber practical examination or the Utah Journeyman Plumber practical examination then you do not have to take the Residential Master Plumber practical examination in order to obtain your Residential Master Plumber license.

### What TO bring to the practical examination.

All items brought by the candidate must be in a safe condition and in good working order. Candidates may not share materials. Candidates should bring the following:

- Torch(es) capable of brazing up to one-inch copper pipe and soldering copper assembly project
- 1 tape measure
- 1 tubing cutter (copper)
- 1 tubing cutter (PVC Schedule 40)
- 1 reamer
- 1 level with 45 degree reading
- 1 framing or carpenter's square
- Tools to perform copper and plastic pipe assemblies
- Bricks to support work
- Safety glasses for soldering

Safety glasses. Due to OSHA Title 29, Subpart E, Section 1926.102 requirements and candidate safety, all candidates will be required to wear safety glasses while soldering during the practical examination.

**Important** If you do not bring safety glasses to the practical examination, you will not be allowed to complete the solder and/or brazing projects and will receive a failing grade on those parts.

### What NOT to bring to the practical examination.

You should not bring the following as these materials will be provided at the exam site:

- Solder/flux
- Primer/solvent cement (for the plastic pipe project)
- Brazing alloy rods
- Scratch paper.





8. **Payment:** (MasterCard, VISA, Money Order or Cashier's Check only. Personal and company checks are not accepted.)

Credit card (MasterCard or VISA) payment accepted for phone or fax registrations only. (Check One):  MC  VISA

Card No: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Card Verification No: \_\_\_\_\_

*For your security, PSI requires you to enter the card identification number located on your credit card. The card identification number is located on the back of the card and consists of the last three digits on the signature strip.*

Cardholder Name (Print): \_\_\_\_\_ Signature: \_\_\_\_\_

9. *I am faxing the Special Arrangement Request (at the end of this bulletin) and required documentation.*  Yes  No

10. **Affidavit:** I certify that the information provided on this registration form (and/or telephonically to PSI) is correct. I understand that any falsification of information may result in denial of licensure. I have read and understand the examination information bulletin.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Complete and forward this registration form with the applicable examination fee to:  
 PSI licensure:certification \* ATTN: Examination Registration UT PL  
 3210 E Tropicana \* Las Vegas \* NV \* 89121  
 Fax (702) 932-2666 \* (800) 733-9267 \* TTY (800) 735-2929 \* [www.psiexams.com](http://www.psiexams.com)

**School Codes:**

School Code	School	School Code	School
0045	BRIDGERLAND ATC	3671	DIXIE STATE COLLEGE
3676	COLLEGE OF EASTERN UTAH	0048	DAVIS ATC
0061	MOUNTAINLAND ATC	0065	DIXIE ATC
0044	OGDEN-WEBER ATC	5220	SALT LAKE COMMUNITY COLLEGE
3679	SNOW COLLEGE	0064	SALT LAKE/TOOELE ATC
0062	SOUTHWEST ATC	0063	SOUTHEAST ATC
3680	WEBER STATE UNIVERSITY	0047	UINTAH BASIN ATC
9999	OTHER	4027	UTAH VALLEY STATE COLLEGE



## BOOKS AND MORE ARE NOW AVAILABLE AT THE PSI ONLINE STORE!

To place an order for one or more of the following items listed, you may:

- Order online at [www.pSIONlinestore.com](http://www.pSIONlinestore.com)
- Call the PSI Online store toll-free at (866) 589-3088

Note: prices are available online at [www.pSIONlinestore.com](http://www.pSIONlinestore.com)

<input type="checkbox"/>	2006 International Mechanical Code
<input type="checkbox"/>	2006 International Plumbing Code
<input type="checkbox"/>	2006 International Fuel & Gas Code
<input type="checkbox"/>	Mathematics for Plumbers and Pipefitters
<input type="checkbox"/>	<u>29 CFR Part 1926 Selections</u>

*Please note: Inventory and pricing subject to change without notice.*

- You may also place a checkmark next to the items that you would like to order, and mail or fax this form to PSI (be sure to include your contact information). A Customer Service Rep will call you to place the order.

Mail or FAX to:  
PSI licensure:certification \*\* 3210 E Tropicana \* Las Vegas \* NV \* 89121 (Attn Shipping)  
Fax (702) 932-2668

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone Number: \_\_\_\_\_





# SPECIAL ARRANGEMENT REQUEST FORM OR OUT-OF-STATE TESTING REQUEST

All examination centers are equipped to provide access in accordance with the Americans with Disabilities Act (ADA) of 1990. Applicants with disabilities or those who would otherwise have difficulty taking the examination may request special examination arrangements.

Candidates who wish to request special arrangements because of a disability should fax this form and supporting documentation to PSI at (702) 932-2666.

### Requirements for special arrangement requests

You are required to submit documentation from the medical authority or learning institution that rendered a diagnosis. Verification must be submitted to PSI on the letterhead stationery of the authority or specialist and include the following:

- Description of the disability and limitations related to testing
- Recommended accommodation/modification
- Name, title and telephone number of the medical authority or specialist
- Original signature of the medical authority or specialist

Date \_\_\_\_\_

Legal Name: \_\_\_\_\_  
Last Name First Name

Address: \_\_\_\_\_  
Street City, State, Zip Code

Telephone : (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
Home Work

Email Address: \_\_\_\_\_

Check any special arrangements you require (requests must concur with documentation submitted):

- |  |   |
|--|---|
| <input type="checkbox"/> Reader (as accommodation for visual impairment or learning disability)                | <input type="checkbox"/> Extended Time (Additional time requested: _____) |
| <input type="checkbox"/> Large-Print written examination   | <input type="checkbox"/> Other _____                                      |
| <input type="checkbox"/> Out-of-State Testing Request (this request does not require additional documentation) | _____   |

Site requested: \_\_\_\_\_

- Complete and fax this form, along with supporting documentation, to (702) 932-2666.
- After 4 business days, please call 800-733-9267 x6750 and leave a voice message.
- PSI Special Accommodations will call you back to schedule the examination within 48 hours.

**DO NOT SCHEDULE YOUR EXAMINATION UNTIL THIS DOCUMENTATION HAS BEEN RECEIVED AND PROCESSED BY PSI SPECIAL ACCOMMODATIONS.**



PSI Services, LLC  
3210 E Tropicana  
Las Vegas, NV 89121

FIRST CLASS MAIL

